

INFORMATION DISCLOSURE CITATION
 (Use Several sheets if necessary)

JUN 21 2004

Docket Number 13599-1

Application Number 10/779,357

Applicant(s) BELL, Michael L. et al.

Filing Date February 12, 2004

Group Art Unit 2678

1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	A	4,772,561	09/20/1988	Genshaw	436	169	
	B	5,573,909	11/12/1996	Singer et al.	435	6	
	C	6,027,709	02/22/2000	Little et al.	424	1.65	
	D	6,028,190	02/22/2000	Mathies et al.	536	26.6	
SP	E	6,130,094	10/10/2000	Waggoner et al.	436	63	
	F						
	G						
	H						
	I						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	N
JS	J	EP 0609894	08/10/1994	Europe				
	K							
	L							
	M							
	N							
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	P							
	Q							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER



DATE CONSIDERED

9-28-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	5,585,241	12/17/96	Lindmo				
	B	5,571,388	11/5/96	Patonay et al.				
	C	6,159,748	12/12/00	Hechinger				
	D	4,661,913	4/28/87	Wu et al.				
	E	5,162,863	11/10/92	Ito				
	F	4,745,285	5/17/88	Recktenwald et al.				
	G	5,028,545	7/02/91	Soini				
	H	5,880,474	3/9/99	Norton et al.				
	I	5,682,038	10/28/97	Hoffman				
	J	5,627,040	5/6/97	Bierre et al.				
	K	5,736,330	4/7/98	Fulton				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	L	WO 99/37814	7/29/99					
	M	WO 99/19515	4/22/99					
	N	EP 0 670 374	05/13/98					
	O	EP 0 753 584	7/5/96					
	P							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	Q	Strekowski, Lucjan, <i>Substitution Reactions of a Nucleofugal Group in Heptamethine Cyanine Dyes. Synthesis of an Isothiocyanate Derivative for Labeling of Proteins with a Near-Infrared Chromophore</i> , J. Org. Chem. 57, 4578-4580 (1992)						
	R	Slominskii, Y.L., <i>Polymethine Dyes with Hydrocarbon Bridges, Enamino Ketones in the Chemistry of Cyanine Dyes</i> , Journal of Organic Chemistry of the USSR, Vol. 19, No. 10, pp. 2134-2142 (1983)						
	S	Strekowski, Lucjan, <i>Facile Derivations of Heptamethine Cyanine Dyes</i> , Synthetic Communications, 22(17), 2593-2598 (1992)						
EXAMINER			DATE CONSIDERED <u>8-28-04</u>					
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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	2,887,479	5/19/59	Heseltine				
	B	2,895,955	7/21/59	Heseltine et al.				
	C	4,325,706	4/20/82	Gershman et al.				
	D	4,499,052	2/12/85	Fulwyler				
	E	4,729,947	3/8/88	Middendorf et al.				
	F	4,839,265	6/13/99	Ohno et al.				
	G	4,933,269	6/12/90	Parton et al.				
	H	5,037,734	8/6/91	Lenhard et al.				
	I	5,061,618	10/21/91	Parton et al.				
	J	5,207,880	5/4/93	Middendorf et al.				
	K	5,268,486	12/7/93	Waggoner et al.				
FOREIGN PATENT DOCUMENTS								
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							YES	NO
	L							
	M							
	N							
	O							
	P							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	Q	Slominskii, Y.L., <i>Tricarbocyanines with Hydrogen Rings in the Chromophore</i> , Journal of Organic Chemistry of the USSR, Vol. 40, NO. 6, pp. 625-628 (1974)						
	R	Arnold, Z., <i>Synthetic Reactions of Dimethylformamide. XXII. Formation and Preparation of Formyl Derivatives of Indene</i> , Collection Czechoslov. Chem. Commun., Vol. 30, 2783-2792 (1965)						
	S	Reynolds, G.A., <i>Stable Heptamethine Pyrylium Dyes That Absorb in the Infrared</i> , J. Org. Chem., Vol. 42, No. 5, 885-888 (1977)						
EXAMINER				DATE CONSIDERED 9-28-04				
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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JP</i>	A	5,312,921	5/17/94	Glazer et al.				
	B	5,321,130	6/14/94	Yue et al.				
	C	5,366,603	11/22/94	Middendorf et al.				
	D	5,375,606	12/27/94	Slezak et al.				
	E	5,410,030	4/25/95	Yue et al.				
	F	5,556,959	9/17/96	Brush et al.				
	G	5,571,388	11/5/96	Patonay et al.				
	H	5,747,349	5/5/98	van den Engh et al.				
	I	5,808,044	9/15/98	Brush et al.				
	J	5,986,086	11/16/99	Brush et al.				
	K	6,048,982	4/11/00	Waggoner				
<i>JP</i>	L	4,882,265	11/21/89	Lagaanis et al.				
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	M							
	N							
	O							
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>JP</i>	Q	Sosnovskii, G.M., <i>Synthesis of Meso-Substituted Tricarbocyanine Dyes With An Ortho-Phenylene Bridge In The Chromophore</i> , Journal of Organic Chemistry of the USSR, Vol. 19, No. 10, 1861-1864 (1983)						
<i>JP</i>	R	Makin, S.M., <i>Aminoformylation of Unsaturated Aldehydes 2-Alkoxyaldehydes and Their Acetals, and Ketones of the Alicyclic Series</i> , Journal of Organic Chemistry of the USSR, Vol. 13, No. 6, 1093-1096 (1977)						
<i>JP</i>	S	Webb, J.P., <i>Sixteen New Infrared Laser Dyes Excited By A Simple Linear Flashlamp</i> , Eastman Organic Chemical Bulletin, Vol. 46, No. 3, 1-6 (1974)						
EXAMINER <i>JP</i>				DATE CONSIDERED 7-28-04				
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<u>JP</u>	A	4,973,572	11-27-90	DeBoer				
	B							
	C							
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<u>JP</u>	Q	Russian reference by Tolmachev et al. (full cite is in Russian)						
<u>JP</u>	R	Narayanan, N., <i>A New Method for the Synthesis for Heptamethine Cyanine Dyes: Synthesis of New Near-Infrared Fluorescent Labels</i> , J. Org. Chem. 60, 2391-2395 (1995)						
<u>JP</u>	S	Strekowski, L., <i>Functionalization of Near-Infrared Cyanine Dyes</i> , . Heterocyclic Chem., 33, 1685-1688 (1996)						
EXAMINER <u>J. S.</u>			DATE CONSIDERED <u>9-28-04</u>					
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	N							
	O							
	P							
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<u>Jo</u>	Q	Narayanan, N., <i>New Near Infrared Dyes for Applications in Bioanalytical Methods</i> , SPIC Vol. 2388, 6-15 (1995)						
<u>Jo</u>	R	Pierce, Brian M., <i>Lasing Properties of Several Near-IR Dyes for a Nitrogen laser-Pumped Dye Laser with an Optical Amplifier</i> , IEEE Journal of Quantum Electronics, Vol. QE-18, No. 7 (1982)						
	S							
EXAMINER <u>Jo. S.</u>				DATE CONSIDERED <u>9-28-09</u>				
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